

# Project 25 Standards Update: New Orleans Meetings February 4-6 2020

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This document highlights TR-8 accomplishments and work in progress for 2020. The document will be updated after every TR-8 face to face meeting occurring in 2020. The filename reflects the date of the latest update. After the first 2020 version, each update will use **blue font** to indicate the updates.

## Completed in 2020:

### Air Interfaces

- **A revision to the TIA-102 Documentation Suite Overview Telecommunications Systems Bulletin** was approved for publication.  
*This revision updates the documentation suite and feature information to align with new publications that have occurred over the last 3 years.*
- **A revision of ANSI/TIA-4950-B “Requirements for Battery-Powered, Portable Land Mobile Radio Applications in Class I, II, and III, Division 1, Hazardous (Classified) Locations” Standard** was approved for publication.  
*This revision contains UL recommended improvements/clarifications to the document regarding electrical protection parameters updates*

### Wireline Interfaces

#### Security

- **An addendum to the Over The Air Rekeying Messages and Procedures Standard** was approved for publication.  
*This will allow single key radios to use any Encryption Key ID and will allow multi-key radios to use any Encryption Key ID in order to ensure interoperability between single key and multi-key equipment.*

#### Data

#### Broadband

## Work in Progress:

### Air Interfaces

- **Creation of a High Signal Strength Intermodulation Rejection Test** is in progress. Measurement Method for FDMA receivers completed ballot and technical comments are being addressed. Companion FDMA Performance Recommendations standard has been through 1 review cycle.  
*This test will measure the ability of a P25 or analog conventional FM receiver to reject an unwanted broadband base station signal, thereby preventing degradation to the*

*reception of a desired signal. Performance specifications are expected to follow completion of the measurement method.*

- **A revision to the TSB-88.1-E Wireless Communications Systems Performance in Noise and Interference-Limited Situations Part 1: Recommended Methods for Technology-Independent Narrowband Performance Modeling Telecommunications Systems Bulletin** is under consideration.

*This work will look into possible near-far interference issues for radios with wide pre-selectors in proximity of short-tower cellular systems at 700/800 MHz.*

- **An addendum to the Trunking Interoperability Test Standard** is in progress.  
*This addendum will clarify the testing procedures for System Wide Call.*

## Wireline Interfaces

- **Group Regrouping for the Trunking ISSI/CSSI Standard** is in progress.  
*This work will enable dispatch equipment connected to Trunking Infrastructures via the ISSI/CSSI to control group regrouping services. Note the control channel messaging for these services has already been standardized.*
- **A revision to the Trunking ISSI/CSSI Messages and Procedures Standard** is in progress.  
*This document will merge two previously published addendums (Addendum 1; Group Emergency Behaviors and Addendum 2; Errata to Fix Errors and Omissions) into the previously published parent document.*
- **An addendum to the Trunking ISSI/CSSI Messages and Procedures Standard** is in progress.  
*This addendum will describe how the ISSI/CSSI interface may be used to connect a Trunking RF Sub System to an Inter Working Function (IWF) to enable interoperable services between P25 Systems and LTE Mission Critical Systems.*

## Security

- **Definition of a Link Layer Encryption Security Service** is in progress.  
*This is the first big new technology upgrade for improved Security for all air interfaces of P25. It protects control channel control messages, and hides group and individual IDs.*
- **An addendum to the Key Fill Interface Standard** is in progress.  
*This will enable Key Fill Device (KVL) interface to a KMF, an Authentication Facility and another Key Fill Device*

## Data

### Broadband

- **Definition of 3GPP Mission Critical standard services interworking with TIA Land Mobile Radio standard services** is in progress.  
*This document will describe interworking of features (example; group and individual calls) that are common between 3GPP LTE standards and P25 Trunking, P25 Conventional and Analog Conventional FM LMR standards. This document will be a basis for the modification of the ISSI, CSSI and DFSI standards to enable interface with a Mission Critical LTE Inter Working Function (IWF).*